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on November 12, 2004

Glenn P. Ladwig
Glenn P. Ladwig, Patent Attorney



INFORMATION DISCLOSURE
STATEMENT

Examining Group 1636
Patent Application
Docket No. USF-T144XCZ1
Serial No. 10/759,328

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : (Not yet assigned)
Art Unit : 1636
Applicant : Said M. Sebti
Serial No. : 10/759,328
Filed : January 16, 2004
For : RhoB as a Suppressor of Cancer Cell Growth, Cell Transformation, and Metastasis

MS AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.97 and §1.98, the applicant would like to bring to the attention of the Examiner, the references cited in the following patent application:

U.S. Serial No. 10/049,502, filed February 13, 2002.

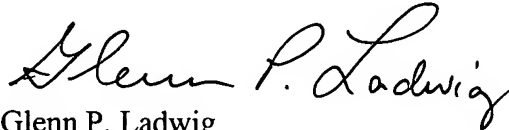
The subject application, Serial No. 10/759,328, claims the benefit under 35 USC §120 of the filing date of patent application Serial No. 10/049,502. The applicant respectfully requests that the copies of references supplied in the Information Disclosure Statements of the 10/049,502 application, as well as references cited during the prosecution thereof, be made of record in the 10/759,328 application. As copies of the references filed in the 10/049,502 application, and cited on the attached form PTO/SB/08, can be found in the 10/049,502 casefile, copies of those references are not provided herewith.

It is respectfully requested that the references cited in the 10/049,502 application be considered in the examination of the subject application and that their consideration be made of record.

The applicant has also listed on form PTO/SB/08 references which have not been cited the 10/049,502 application. Copies of these documents are enclosed with this IDS. The applicant respectfully requests that these references be made of record and considered in the examination of the subject application.

The applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statements.

Respectfully submitted,



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Attachments: Form PTO/SB/08 (5 pages); copies of some references cited therein.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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				First Named Inventor	Said M. Sebti
				Group Art Unit	1636
Sheet	1	of	5	Examiner Name	
				Attorney Docket Number	USF-T144XCZ1

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	R1	ADNANE, J. <i>et al.</i> "Suppression of Rho B expression in invasive carcinoma from head and neck cancer patients" <i>Clin Cancer Res</i> , 2002, 8:2225-2232.		
	R2	ALIMANDI, M. <i>et al.</i> "Cooperative signaling of ErbB3 and ErbB2 in neoplastic transformation and human mammary carcinomas" <i>Oncogene</i> , 1995, 10:1813-1821.		
	R3	ARBOLEDA, M.J. <i>et al.</i> "Overexpression of AKT2/protein kinase B β leads to up-regulation of β 1 integrins, increased invasion, and metastasis of human breast and ovarian cancer cells" <i>Cancer Res</i> , 2003, 63:196-206.		
	R4	BUDAY, L. and DOWNWARD, J. "Epidermal growth factor regulates p21 ^{ras} through the formation of a complex of receptor, Grb2 adaptor protein, and Sos nucleotide exchange factor" <i>Cell</i> , 1993, 73:611-620.		
	R5	CHEN, Z. <i>et al.</i> "Both farnesylated and geranylgeranylated RhoB inhibit malignant transformation and suppress human tumor growth in nude mice" <i>J Biol Chem</i> , 2000, 275(24):17974-17978.		
	R6	DAVIES, M.A. <i>et al.</i> "Adenoviral-mediated expression of MMAC/PTEN inhibits proliferation and metastasis of human prostate cancer cells" <i>Clin Cancer Res</i> , 2002, 8:1904-1914.		
	R7	DU, W. and PRENDERGAST, G.C. "Geranylgeranylated RhoB mediates suppression of human tumor cell growth by farnesyltransferase inhibitors" <i>Cancer Res</i> , 1999, 59:5492-5496.		
	R8	DU, W. <i>et al.</i> "Cell growth inhibition by farnesyltransferase inhibitors is mediated by gain of geranylgeranylated RhoB" <i>Mol Cell Biol</i> , 1999, 19(3):1831-1840.		
	R9	FORGET, M.A. <i>et al.</i> "The expression of Rho proteins decreases with human brain tumor progression: potential tumor markers" <i>Clin Exp Metastasis</i> , 2002, 19(1):9-15, abstract.		
	R10	FRITZ, G. and KAINA, B. " <i>rhoB</i> encoding a UV-inducible Ras-related small GTP-binding protein is regulated by GTPases of the Rho family and independent of JNK, ERK, and p38 MAP kinase" <i>J Biol Chem</i> , 1997, 272(49):30637-30644.		
	R11	FRITZ, G. <i>et al.</i> "The Ras-related small GTP-binding protein RhoB is immediate-early inducible by DNA damaging treatments" <i>J Biol Chem</i> , 1995, 270(42):25172-25177.		
	R12	HALL, A. "Rho GTPases and the actin cytoskeleton" <i>Science</i> , 1998, 279(5350):509-514.		
	R13	HUNTER, T. "Oncoprotein networks" <i>Cell</i> , 1997, 88:333-346.		

Examiner Signature		Date Considered	
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			Filing Date	January 16, 2004	
			First Named Inventor	Said M. Sebti	
			Group Art Unit	1636	
Examiner Name					
Sheet	2	of	5	Attorney Docket Number	USF-T144XCZ1

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	R14	JAHNER, D. and HUNTER, T. "The ras-related gene <i>rhoB</i> is an immediate-early gene inducible by v-Fps, epidermal growth factor, and platelet-derived growth factor in rat fibroblasts" <i>Mol Cell Biol</i> , 1991, 11(7):3682-3690.		
	R15	JIANG, K. <i>et al.</i> "Regulation of Akt-dependent cell survival by Syk and Rac" <i>Blood</i> , 2003, 101:236-244.		
	R16	KHOSRAVI-FAR, R. and DER, C.J. "The Ras signal transduction pathway" <i>Cancer Metastasis Rev</i> , 1994, 13:67-89.		
	R17	KHOSRAVI-FAR, R. <i>et al.</i> "Activation of Rac1, RhoA, and mitogen-activated protein kinases is required for Ras transformation" <i>Mol Cell Biol</i> , 1995, 15(11):6443-6453.		
	R18	KIM, D. <i>et al.</i> "Akt/PKB promotes cancer cell invasion via increased motility and metalloproteinase production" <i>Faseb J</i> , 2001, 15:1953-1962.		
	R19	KUBIATOWSKI, T. <i>et al.</i> "Association of increased phosphatidylinositol 3-kinase signaling with increased invasiveness and gelatinase activity in malignant gliomas" <i>J Neurosurg</i> , 2001, 95:480-488.		
	R20	LEBOWITZ, P.F. <i>et al.</i> "Evidence that farnesyltransferase inhibitors suppress Ras transformation by interfering with Rho activity" <i>Mol Cell Biol</i> , 1995, 15(12):6613-6622.		
	R21	LIU, A. <i>et al.</i> "RhoB alteration is necessary for apoptotic and antineoplastic responses to farnesyltransferase inhibitors" <i>Mol Cell Biol</i> , 2000, 20(16):6105-6113.		
	R22	LIU, A. <i>et al.</i> "RhoB is required to mediate apoptosis in neoplastically transformed cells after DNA damage" <i>Proc Natl Acad Sci USA</i> , 2001, 98(11):6192-6197.		
	R23	LUETTEKE, N.C. <i>et al.</i> "The mouse <i>waved-2</i> phenotype results from a point mutation in the EGF receptor tyrosine kinase" <i>Genes Dev</i> , 1994, 8:399-413.		
	R24	NAKAMURA, T. <i>et al.</i> "Cloning of the RhoB gene from the mouse genome and characterization of its promoter region" <i>Biochem. Biophys. Res. Commun.</i> , 1996, 226(3):688-694, abstract.		
	R25	PARK, B-K. <i>et al.</i> "Akt1 induces extracellular matrix invasion and matrix metalloproteinase-2 activity in mouse mammary epithelial cells" <i>Cancer Res</i> , 2001, 61:7647-7653.		
	R26	PRUITT, K. and DER, C.J. "Ras and Rho regulation of the cell cycle and oncogenesis" <i>Cancer Lett.</i> , 2001, 171(1):1-10.		

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			Group Art Unit	1636	
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Sheet	3	of	5	Attorney Docket Number	USF-T144XCZ1

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	R27	QUILLIAM, L.A. <i>et al.</i> "Identification of residues critical for Ras(17N) growth-inhibitory phenotype and for Ras interaction with guanine nucleotide exchange factors" <i>Mol Cell Biol</i> , 1994, 14(2):1113-1121.	
	R28	STEWART, A.L. <i>et al.</i> "PI3K blockade by Ad-PTEN inhibits invasion and induces apoptosis in radial growth phase and metastatic melanoma cells" <i>Mol Med</i> , 2002, 8(8):451-461.	
	R29	SYMONS, M. and SETTLEMAN, J. "Rho family GTPases: more than simple switches" <i>Trends Cell Biol</i> , 2000, 10(10):415-419.	
	R30	TURKSON, J. <i>et al.</i> "Requirement for Ras/Rac1-mediated p38 and c-Jun N-terminal kinase signaling in Stat3 transcriptional activity induced by the Src oncoprotein" <i>Mol Cell Biol</i> , 1999, 19(11):7519-7528.	
	R31	VAN AELST, L. and D'SOUZA-SCHOREY, C. "Rho GTPases and signaling networks" <i>Genes Dev</i> , 1997, 11(18):2295-2322.	
	R32	VLAHOS, C.J. <i>et al.</i> "A specific inhibitor of phosphatidylinositol 3-kinase, 2-(4-morpholinyl)-8-phenyl-4H-1-benzopyran-4-one (LY294002)" <i>J Biol Chem</i> , 1994, 269(7):5241-5248.	
	R33	YANO, H. <i>et al.</i> "Biochemical and pharmacological studies with KT7692 and LY294002 on the role of phosphatidylinositol 3-kinase in FcεRI-mediated signal transduction" <i>Biochem J</i> , 1995, 312(Pt 1):145-150.	
	R34	ZOHN, I.M. <i>et al.</i> "Rho family proteins and Ras transformation: the RHOad less traveled gets congested" <i>Oncogene</i> , 1998, 17:1415-1438.	
	R35	MCCORMICK, F. <i>Nature</i> , 1993, 363:15-16.	
	R36	CAMPBELL, S.L. <i>et al.</i> <i>Oncogene</i> , 1998, 17:1395-1413.	
	R37	BARBACID, M. <i>Annu. Rev. Biochem.</i> , 1987, 56:779-827.	
	R38	BOS, J.L. <i>Cancer Res.</i> , 1989, 49:4682-4689.	
	R39	OLSON, M.F. <i>et al.</i> <i>A. Science</i> , 1995, 269:1270-1272.	

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	R40	QIU, R.G. <i>et al. Nature</i> , 1995, 374:457-459.	
	R41	MELLOR, H. <i>et al. J. Biol. Chem.</i> , 1998, 273:4811-4814.	
	R42	ZHANG, F.L. <i>et al. Annu. Rev. Biochem.</i> , 1996, 65:241-269.	
	R43	LEBOWITZ, P.F. <i>et al. J. Biol. Chem.</i> , 1997, 272:15591-15594.	
	R44	SEBTI, S.M. <i>et al. Pharmacol. Ther.</i> , 1997, 272:15591-15594.	
	R45	GIBBS, J.B. <i>et al. Annu. Rev. Pharmacol. Toxicol.</i> , 1997, 37:143-166.	
	R46	COX, A.D. <i>et al. Biochim. Biophys. Acta.</i> , 1997, 1333:F51-F71.	
	R47	LEBOWITZ, P.F. <i>et al. Oncogene</i> , 1998, 17:1439-1445.	
	R48	CHEN, Z. <i>et al. "Farnesylated and geranylgeranylated RhoB suppress the transformation of PANC-1 human pancreatic cancer cells" Proceedings of the 91st Annual Meeting of the American Association of Cancer Research, Vol. 14, page 220, abstract no. 1402.</i>	
	R49	LIU and JESSELL "A role for rhoB in the delamination of neural crest cells from the dorsal beural tube" <i>Development</i> , 1998, 125:5055-5067.	
	R50	LEBOWITZ <i>et al. "Farnesyltransferase inhibitors alter the prenylations and growth-stimulating function of RhoB" JBC</i> , 1997, 272(25):15591-15594.	
	R51	MENG and EL-DEIRY "Tumor suppressor genes as targets for cancer gene therapy" <i>Gene Therapy of Cancer</i> , Chapter 1, pages 3-18.	
	R52	VERMA and SOMIA "Gene therapy-promises, problems and prospects" <i>Nature</i> , 1997, 389:239-242.	

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	R53	MARSHALL "Second child in French trial is found to have aleukemia" <i>Science</i> , 2003, 299:320.	
	R54	TORCHILIN and LUKYANOV "Peptide and protein drug delivery to and into tumors: challenges and solutions" <i>Drug Discover Today</i> , 2003, 8:259-265.	
	R55		
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